WHAT IS CLAIMED IS:

1. An adaptive information compression system comprising:

means for evaluating segments of a radio frequency signal to determine which segments are active, each segment representing a specific channel at a specific frequency;

means, responsive to said means for evaluating, for reformatting the active segments into a contiguous order in a signal with a lower bandwidth than said radio frequency signal.

2. The system of claim 1, wherein said means for evaluating comprises:

means for calculating a power value for each of said segments; and

means for comparing the power of each of said segments to a predetermined threshold value.

3. The system of claim 1, further comprising:

means for recreating said radio frequency signal by modulating each of said active segments on their respective specific frequencies.

4. A method for adaptive information compression comprising:

evaluating segments of a radio frequency signal to determine which segments are active, each segment representing a specific channel at a specific frequency; and

based on said evaluating, reformatting the active segments into a contiguous order in a signal with a lower bandwidth than said radio frequency signal.

5. The method of claim 4, wherein said step of reformatting further comprises:

calculating a power value for each of said segments; and

comparing the power of each of said segments to a predetermined threshold value.

6. The method of claim 4, further comprising:

recreating said radio frequency signal by modulating each of said active segments on their respective specific frequencies.